

Title (en)
Injection molding machine and injection molding method with reduced power consumption

Title (de)
Spritzgiessmaschine und -verfahren mit reduziertem Energieverbrauch

Title (fr)
Presse à injecter et procédé de moulage avec consommation d'énergie réduite

Publication
EP 1127675 B1 20040421 (EN)

Application
EP 01101839 A 20010126

Priority
JP 2000043942 A 20000222

Abstract (en)
[origin: EP1127675A2] A motor drive 50 of an induction motor IM includes an inverter section 20, a charger 60, a charging and discharging circuit 70 and a control section 80. The charger 60 is for storing regenerated electric power of the induction motor via the inverter section. The charging and discharging circuit 70 is for making the charger charge electric power and making the charger discharge the electric power. The control section carries out control of the charging and discharging circuit for making the charger charge the electric power when the induction motor generates regenerated electric power and making the charger supply the electric power to the induction motor in accelerating the induction motor or in electricity interruption. <IMAGE>

IPC 1-7
B29C 45/76

IPC 8 full level
B29C 45/17 (2006.01); **B29C 45/76** (2006.01)

CPC (source: EP KR US)
B29C 45/17 (2013.01 - KR); **B29C 45/76** (2013.01 - KR); **B29C 45/7666** (2013.01 - EP US); **H02M 1/16** (2013.01 - KR); **B29C 2045/1792** (2013.01 - EP US); **B29C 2045/7673** (2013.01 - EP US); **B29C 2945/76033** (2013.01 - EP US); **B29C 2945/76525** (2013.01 - EP US); **B29C 2945/76943** (2013.01 - EP US); **Y02P 70/10** (2015.11 - EP US)

Cited by
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Designated contracting state (EPC)
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DOCDB simple family (publication)
EP 1127675 A2 20010829; **EP 1127675 A3 20020403**; **EP 1127675 B1 20040421**; AT E264739 T1 20040515; CN 1152774 C 20040609; CN 1310086 A 20010829; DE 60102846 D1 20040527; DE 60102846 T2 20050331; JP 2001232672 A 20010828; JP 3451480 B2 20030929; KR 100430105 B1 20040503; KR 20010083169 A 20010831; SG 98438 A1 20030919; TW 508302 B 20021101; US 2001015506 A1 20010823; US 6611126 B2 20030826

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